



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 11701421
SAU: Waterville Public Schools
School: Waterville Junior High School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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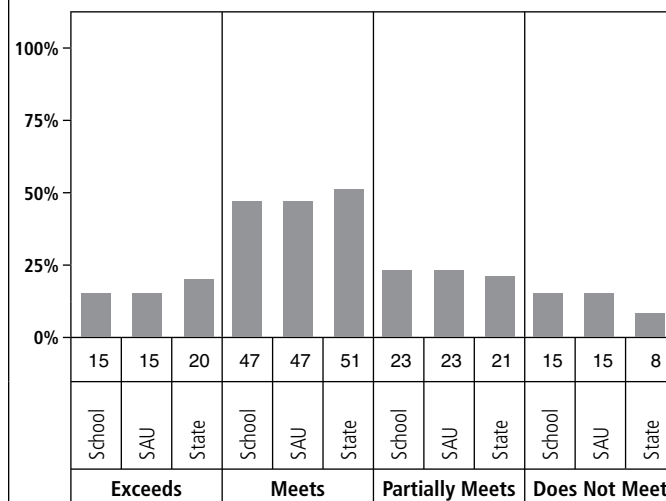
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Waterville Public Schools
School: Waterville Junior High School

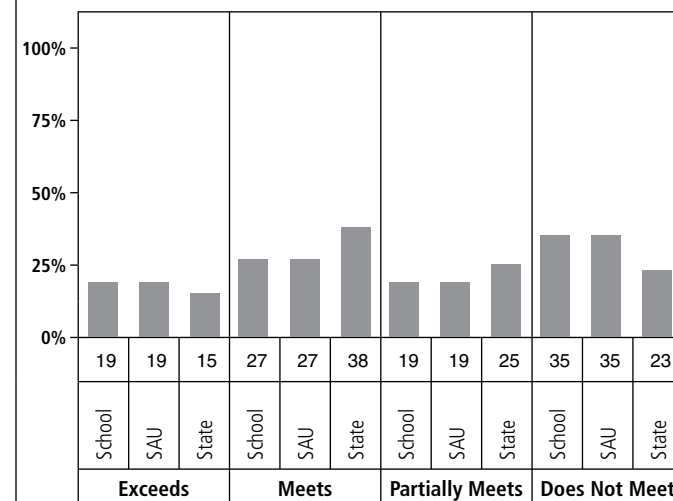
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	845	845	847
2007–2008	849	849	849
2008–2009	847	847	850
Cum. Avg.*	847	847	849
Mathematics			
2006–2007	837	837	842
2007–2008	840	840	841
2008–2009	840	840	843
Cum. Avg.*	839	839	842
Science			
2008–2009 **	846	846	846

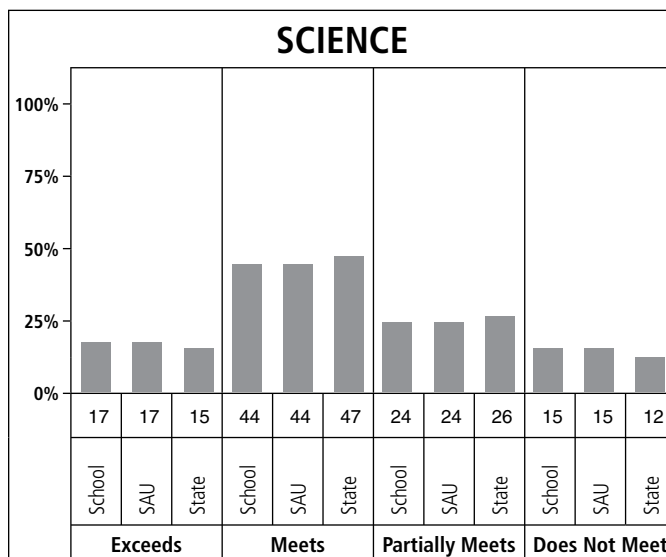
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
 Grade: 8
 SAU: Waterville Public Schools
 School: Waterville Junior High School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	154	100	154	100	14804	100	152	99	152	99	14659	99	152	99	152	99	14653	99	151	99	151	99	14626	99
Ethnicity African American/Black	4	3	4	3	377	3	4	100	4	100	366	97	4	100	4	100	371	98	4	100	4	100	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	1	1	1	1	238	2	1	100	1	100	232	97	1	100	1	100	234	98	1	100	1	100	234	98
Hispanic	1	1	1	1	192	1	1	100	1	100	188	98	1	100	1	100	191	100	1	100	1	100	190	99
Caucasian/White	148	96	148	96	13878	94	146	99	146	99	13756	99	146	99	146	99	13742	99	145	99	145	99	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	37	24	37	24	2489	17	37	100	37	100	2434	99	37	100	37	100	2424	98	36	100	36	100	2418	98
Current LEP	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
Economically disadvantaged	79	51	79	51	5460	37	78	99	78	99	5380	99	78	99	78	99	5377	99	77	99	77	99	5359	98
Migrant	1	1	1	1	6	0	1	100	1	100	6	100	1	100	1	100	6	100	1	100	1	100	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	113	73	113	73	12132	82	113	73	113	73	12124	82	113	73	113	73	12169	82
Identified disability (PET/IEP)	2	2	2	2	379	3	2	2	2	2	380	3	2	2	2	2	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	1	1	1	1	200	2	1	1	1	1	200	2	1	1	1	1	202	2
Participation with accommodations	37	24	37	24	2349	16	37	24	37	24	2347	16	36	23	36	23	2288	15
Identified disability (PET/IEP)	33	89	33	89	1877	80	33	89	33	89	1862	79	32	89	32	89	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	4	11	4	11	70	3	4	11	4	11	70	3	3	8	3	8	66	3
Other	1	3	1	3	292	12	1	3	1	3	297	13	1	3	1	3	280	12
Participation through alternate assessment (PAAP)	2	1	2	1	178	1	2	1	2	1	182	1	2	1	2	1	169	1
Identified disability (PET/IEP)	2	100	2	100	178	100	2	100	2	100	182	100	2	100	2	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	1	1	1	1	32	0	1	1	1	1	34	0	2	1	2	1	38	0
Non-participation – other	1	1	1	1	113	1	1	1	1	1	117	1	1	1	1	1	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: Waterville Public Schools
School: Waterville Junior High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	15	11	15	11	2407	16
	2007-2008	35	28	35	28	3428	23
	2008-2009	22	15	22	15	2857	20
	Cum. Total*	72	18	72	18	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	66	49	66	49	7494	49
	2007-2008	46	37	46	37	7179	48
	2008-2009	71	47	71	47	7431	51
	Cum. Total*	183	45	183	45	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	34	25	33	25	3628	24
	2007-2008	26	21	26	21	2706	18
	2008-2009	34	23	34	23	2979	21
	Cum. Total*	94	23	93	23	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	20	15	20	15	1810	12
	2007-2008	16	13	16	13	1611	11
	2008-2009	23	15	23	15	1214	8
	Cum. Total*	59	14	59	14	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	33.3	59.5	33.3	59.5	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	11.7	58.5	11.7	58.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	21.6	60.0	21.6	60.0	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Waterville Public Schools
 School: Waterville Junior High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	150	22	15	71	47	34	23	23	15	847	150	15	47	23	15	847	14481	20	51	21	8	850
Ethnicity																						
African American/Black	4										4						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	1										1						231	28	43	19	10	851
Hispanic	1										1						186	17	48	23	12	847
Caucasian/White	144	21	15	71	49	33	23	19	13	847	144	15	49	23	13	847	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	35	1	3	11	31	9	26	14	40	835	35	3	31	26	40	835	2256	2	25	40	34	834
No	115	21	18	60	52	25	22	9	8	850	115	18	52	22	8	850	12225	23	56	17	4	853
Current LEP																						
Yes	0										0						324	5	34	36	26	838
No	150	22	15	71	47	34	23	23	15	847	150	15	47	23	15	847	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	77	4	5	28	36	28	36	17	22	839	77	5	36	36	22	839	5277	10	46	29	15	844
No	73	18	25	43	59	6	8	6	8	854	73	25	59	8	8	854	9204	26	54	16	5	853
Migrant																						
Yes	1										1						5	0	40	60	0	841
No	149	22	15	71	48	33	22	23	15	847	149	15	48	22	15	847	14476	20	51	21	8	850
Gender																						
Female	76	18	24	35	46	16	21	7	9	850	76	24	46	21	9	850	7074	25	51	18	6	852
Male	74	4	5	36	49	18	24	16	22	843	74	5	49	24	22	843	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	9	43	35	14	843
No	150	22	15	71	47	34	23	23	15	847	150	15	47	23	15	847	13624	20	52	20	8	850
Gifted/talented program																						
Yes	0										0						700	69	30	1	0	867
No	150	22	15	71	47	34	23	23	15	847	150	15	47	23	15	847	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Waterville Public Schools
School: Waterville Junior High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	16	0	0	6	25	9	38	9	38	832	16	0	25	38	38	832	8	8	39	29	24	841
B. less than one hour	46	12	18	36	53	14	21	6	9	851	46	18	53	21	9	851	51	17	53	22	8	849
C. one to two hours	32	8	17	27	57	6	13	6	13	849	32	17	57	13	13	849	36	24	52	18	5	852
D. more than two hours	6	2	22	2	22	4	44	1	11	849	6	22	22	44	11	849	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	43	21	33	30	47	7	11	6	9	855	43	33	47	11	9	855	31	35	50	11	4	856
B. good	41	1	2	32	53	17	28	10	17	842	41	2	53	28	17	842	47	16	55	21	7	849
C. fair	14	0	0	8	40	8	40	4	20	839	14	0	40	40	20	839	18	5	47	33	15	842
D. poor	3	0	0	1	25	1	25	2	50	832	3	0	25	25	50	832	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	37	9	16	32	58	9	16	5	9	850	37	16	58	16	9	850	32	27	54	14	5	853
B. They match some of what I have learned.	47	11	16	29	42	19	28	10	14	846	47	16	42	28	14	846	52	18	53	22	8	850
C. They match just a little of what I have learned.	11	1	6	8	47	4	24	4	24	844	11	6	47	24	24	844	12	11	45	29	15	844
D. There is no match.	5	1	14	2	29	1	14	3	43	837	5	14	29	14	43	837	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	12	1	6	7	41	7	41	2	12	844	12	6	41	41	12	844	15	13	42	28	17	844
B. about the same as my regular schoolwork	65	13	14	51	54	21	22	10	11	848	65	14	54	22	11	848	64	19	53	20	7	850
C. easier than my regular schoolwork	24	8	23	13	37	4	11	10	29	846	24	23	37	11	29	846	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	13	0	0	9	50	6	33	3	17	840	13	0	50	33	17	840	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	45	5	8	34	52	18	28	8	12	846	45	8	52	28	12	846	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	42	17	28	27	44	7	11	10	16	852	42	28	44	11	16	852	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	39	8	14	22	39	20	35	7	12	847	39	14	39	35	12	847	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	52	14	19	42	56	9	12	10	13	849	52	19	56	12	13	849	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	9	0	0	6	46	3	23	4	31	839	9	0	46	23	31	839	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	29	7	16	21	49	8	19	7	16	847	29	16	49	19	16	847	19	26	53	15	6	853
B. 20 minutes to an hour	45	14	21	32	48	14	21	7	10	850	45	21	48	21	10	850	40	25	52	17	6	852
C. less than 20 minutes	8	1	8	5	42	4	33	2	17	844	8	8	42	33	17	844	15	18	51	21	10	849
D. I rarely read at home.	18	0	0	13	50	7	27	6	23	839	18	0	50	27	23	839	26	7	50	30	13	844
How do you feel about the following statement?																						
"My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	52	17	22	38	49	12	16	10	13	850	52	22	49	16	13	850	42	27	51	15	6	853
B. agree	40	5	8	31	53	15	25	8	14	846	40	8	53	25	14	846	50	15	53	23	9	848
C. disagree	5	0	0	2	25	3	38	3	38	835	5	0	25	38	38	835	7	8	46	32	14	843
D. strongly disagree	3	0	0	0	0	3	75	1	25	832	3	0	0	75	25	832	2	6	39	35	21	840
Optional school/SAU question																						
A.	27	0	0	0	0	3	100	0	0	835	27	0	0	100	0	835						
B.	27	0	0	2	67	1	33	0	0	845	27	0	67	33	0	845						
C.	27	0	0	0	0	2	67	1	33	835	27	0	0	67	33	835						
D.	18	0	0	1	50	1	50	0	0	843	18	0	50	50	0	843						

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: Waterville Public Schools
School: Waterville Junior High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	6	4	6	5	1952	13
	2007-2008	12	10	12	10	1657	11
	2008-2009	28	19	28	19	2116	15
	Cum. Total*	46	11	46	11	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	45	34	44	33	5870	38
	2007-2008	41	33	41	33	5956	40
	2008-2009	41	27	41	27	5443	38
	Cum. Total*	127	31	126	31	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	41	31	41	31	3982	26
	2007-2008	36	29	36	29	3729	25
	2008-2009	29	19	29	19	3556	25
	Cum. Total*	106	26	106	26	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	42	31	42	32	3534	23
	2007-2008	34	28	34	28	3579	24
	2008-2009	52	35	52	35	3356	23
	Cum. Total*	128	31	128	32	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	27.4	48.9	27.4	48.9	28.6	51.1
A. Number	8	14	3.6	45.0	3.6	45.0	3.7	46.3
B. Data	16	29	8.2	51.3	8.2	51.3	8.9	55.6
C. Geometry	12	21	5.0	41.7	5.0	41.7	5.0	41.7
D. Algebra	20	36	10.6	53.0	10.6	53.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Waterville Public Schools
 School: Waterville Junior High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	150	28	19	41	27	29	19	52	35	840	150	19	27	19	35	840	14471	15	38	25	23	843
Ethnicity																						
African American/Black	4										4						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	1										1						233	27	33	20	21	847
Hispanic	1										1						190	8	31	26	34	836
Caucasian/White	144	28	19	40	28	28	19	48	33	841	144	19	28	19	33	841	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	35	2	6	5	14	7	20	21	60	827	35	6	14	20	60	827	2242	2	12	22	63	824
No	115	26	23	36	31	22	19	31	27	845	115	23	31	19	27	845	12229	17	42	25	16	846
Current LEP																						
Yes	0										0						336	6	18	26	51	829
No	150	28	19	41	27	29	19	52	35	840	150	19	27	19	35	840	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	77	3	4	17	22	18	23	39	51	830	77	4	22	23	51	830	5270	6	30	28	36	835
No	73	25	34	24	33	11	15	13	18	851	73	34	33	15	18	851	9201	20	42	22	16	847
Migrant																						
Yes	1										1						5	0	0	40	60	828
No	149	28	19	41	28	29	19	51	34	841	149	19	28	19	34	841	14466	15	38	25	23	843
Gender																						
Female	76	18	24	25	33	10	13	23	30	844	76	24	33	13	30	844	7070	15	39	25	22	843
Male	74	10	14	16	22	19	26	29	39	837	74	14	22	26	39	837	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	5	25	33	37	835
No	150	28	19	41	27	29	19	52	35	840	150	19	27	19	35	840	13614	15	38	24	22	843
Gifted/talented program																						
Yes	0										0						700	68	27	3	1	866
No	150	28	19	41	27	29	19	52	35	840	150	19	27	19	35	840	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Waterville Public Schools
School: Waterville Junior High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	16 46 32 6	0 16 10 2	0 24 21 22	3 22 15 1	13 32 32 11	4 13 12 0	17 19 26 0	17 17 10 6	71 25 21 67	823 845 845 837	16 46 32 6	0 24 21 22	13 32 32 11	17 19 26 0	71 25 21 67	823 845 845 837	8 51 36 5	8 12 19 19	24 38 40 36	24 26 23 22	44 23 19 23	833 842 845 844
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	27 43 23 8	17 10 1 0	44 16 3 0	5 23 8 4	13 37 24 36	7 12 8 2	18 19 24 18	10 18 16 5	26 29 48 45	851 841 832 835	27 43 23 8	44 16 3 0	13 37 24 36	18 19 24 18	26 29 48 45	851 841 832 835	28 45 21 5	33 11 3 2	41 43 27 14	15 25 35 30	11 21 35 54	852 842 834 828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	34 46 16 5	13 9 6 0	26 13 26 0	14 23 4 0	28 34 17 0	11 15 1 2	22 22 4 29	12 21 12 5	24 31 52 71	845 840 841 825	34 46 16 5	26 13 26 0	28 34 17 0	22 22 4 29	24 31 52 71	845 840 841 825	28 52 16 4	23 13 8 5	41 40 28 15	21 25 30 22	15 21 34 58	848 843 836 826
How difficult was the mathematics part of this test? A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	30 50 20	5 10 13	11 14 45	12 25 3	27 35 10	8 15 6	18 21 21	19 22 7	43 31 24	837 841 849	30 50 20	11 14 45	27 35 10	18 21 21	43 31 24	837 841 849	32 52 16	6 13 39	34 41 35	29 25 13	32 20 13	837 843 853
How hard did you try on the mathematics part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	39 53 8	11 16 1	19 21 8	10 29 2	18 38 17	13 13 3	23 17 25	23 19 6	40 25 50	839 844 829	39 53 8	19 21 8	18 38 17	23 17 25	40 25 50	839 844 829	42 52 7	12 17 12	38 39 27	26 23 27	25 20 35	841 845 837
How often do you use calculators in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	59 30 8 3	18 6 4 0	21 14 33 0	28 11 2 0	33 25 17 0	13 12 3 1	15 27 25 20	27 15 3 4	31 34 25 80	844 838 845 816	59 30 8 3	21 14 33 0	33 25 17 0	15 27 25 20	31 34 25 80	844 838 845 816	34 35 18 13	18 14 12 9	40 38 37 32	22 26 27 25	20 21 24 34	845 843 841 837
How often do you use laptops in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	7 10 27 56	0 0 6 22	0 0 15 27	1 2 13 25	9 14 33 30	2 3 11 13	18 21 28 16	8 9 9 23	73 64 23 28	819 828 843 846	7 10 27 56	0 0 15 27	9 14 33 30	18 21 28 16	73 64 23 28	819 828 843 846	9 17 28 46	13 11 15 16	38 37 40 36	23 26 25 24	26 26 20 23	841 841 844 843
How do you feel about the following statement? "My knowledge of mathematics will be useful to me as an adult." A. strongly agree B. agree C. disagree D. strongly disagree	56 35 5 3	16 11 1 0	19 21 13 0	27 9 4 1	33 17 50 20	14 14 1 0	17 27 13 0	26 18 2 4	31 35 25 80	841 841 847 827	56 35 5 3	19 21 13 0	33 17 50 20	17 27 13 0	31 35 25 80	841 841 847 827	52 39 6 3	19 11 7 4	41 35 28 25	22 27 26 28	18 27 39 43	846 840 835 832
Optional school/SAU question A. B. C. D.	27 27 27 18	0 1 0 0	0 33 0 0	0 0 1 1	0 0 33 50	1 1 0 0	33 33 0 0	2 1 2 1	67 33 67 50	829 833 833 838	27 27 27 18	0 33 0 0	0 0 33 50	33 33 0 0	67 33 67 50	829 833 833 838						

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: Waterville Public Schools
School: Waterville Junior High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	26	17	26	17	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	65	44	65	44	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	36	24	36	24	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	22	15	22	15	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	32.0	57.1	32.0	57.1	32.0	57.1
D. The Physical Setting	31	55	17.6	56.8	17.6	56.8	17.1	55.2
D1/D2 Earth/Space	17	30	9.7	57.1	9.7	57.1	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	7.9	56.4	7.9	56.4	7.7	55.0
E. The Living Environment	25	45	14.3	57.2	14.3	57.2	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution



SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Waterville Public Schools
 School: Waterville Junior High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	149	26	17	65	44	36	24	22	15	846	149	17	44	24	15	846	14263	15	47	26	12	846
Ethnicity																						
African American/Black	4										4						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	1										1						230	20	44	23	13	848
Hispanic	1										1						184	9	45	29	16	842
Caucasian/White	143	25	17	65	45	34	24	19	13	846	143	17	45	24	13	846	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	34	3	9	8	24	11	32	12	35	835	34	9	24	32	35	835	2221	3	22	36	38	832
No	115	23	20	57	50	25	22	10	9	849	115	20	50	22	9	849	12042	17	51	24	7	848
Current LEP																						
Yes	0										0						331	4	20	39	37	832
No	149	26	17	65	44	36	24	22	15	846	149	17	44	24	15	846	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	76	7	9	27	36	23	30	19	25	840	76	9	36	30	25	840	5184	6	40	33	21	840
No	73	19	26	38	52	13	18	3	4	852	73	26	52	18	4	852	9079	20	51	21	8	849
Migrant																						
Yes	1										1						5	0	0	80	20	829
No	148	26	18	65	44	36	24	21	14	846	148	18	44	24	14	846	14258	15	47	26	12	846
Gender																						
Female	76	15	20	38	50	15	20	8	11	848	76	20	50	20	11	848	6953	14	47	28	11	846
Male	73	11	15	27	37	21	29	14	19	844	73	15	37	29	19	844	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						828	5	35	40	20	839
No	149	26	17	65	44	36	24	22	15	846	149	17	44	24	15	846	13435	16	48	25	12	846
Gifted/talented program																						
Yes	0										0						699	65	34	2	0	865
No	149	26	17	65	44	36	24	22	15	846	149	17	44	24	15	846	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Waterville Public Schools
School: Waterville Junior High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	16	0	0	7	29	9	38	8	33	835	16	0	29	38	33	835	8	8	34	28	30	837
B. less than one hour	46	14	21	31	46	17	25	6	9	849	46	21	46	25	9	849	51	14	48	27	11	846
C. one to two hours	32	9	19	26	55	7	15	5	11	848	32	19	55	15	11	848	36	19	48	24	9	848
D. more than two hours	6	3	33	1	11	3	33	2	22	845	6	33	11	33	22	845	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	34	19	37	14	27	11	22	7	14	851	34	37	27	22	14	851	23	27	47	17	8	851
B. good	43	6	10	41	65	13	21	3	5	848	43	10	65	21	5	848	53	15	50	26	10	847
C. fair	17	0	0	7	28	10	40	8	32	836	17	0	28	40	32	836	20	4	43	35	18	840
D. poor	6	1	11	3	33	2	22	3	33	835	6	11	33	22	33	835	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	36	11	21	22	42	14	26	6	11	847	36	21	42	26	11	847	26	20	49	23	9	849
B. They match some of what I have learned.	43	8	13	33	52	16	25	7	11	846	43	13	52	25	11	846	51	14	48	26	11	846
C. They match just a little of what I have learned.	18	7	27	8	31	5	19	6	23	846	18	27	31	19	23	846	18	13	44	28	15	844
D. There is no match.	3	0	0	2	40	1	20	2	40	836	3	0	40	20	40	836	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	29	9	21	17	40	11	26	5	12	846	29	21	40	26	12	846	32	13	45	28	14	844
B. about the same as my regular schoolwork	59	14	16	42	49	19	22	11	13	847	59	16	49	22	13	847	56	15	49	25	11	847
C. easier than my regular schoolwork	12	3	18	6	35	5	29	3	18	845	12	18	35	29	18	845	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	37	7	13	22	42	20	38	4	8	845	37	13	42	38	8	845	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	55	17	21	38	48	14	18	11	14	848	55	21	48	18	14	848	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	8	2	17	5	42	2	17	3	25	844	8	17	42	17	25	844	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	40	5	8	26	44	22	37	6	10	843	40	8	44	37	10	843	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	16	4	17	12	50	4	17	4	17	846	16	17	50	17	17	846	23	17	49	22	12	847
C. the course(s) described in B, plus physics	22	15	47	13	41	3	9	1	3	860	22	47	41	9	3	860	21	31	44	17	7	852
D. a life science and physical science class	21	2	6	13	42	7	23	9	29	838	21	6	42	23	29	838	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	31	12	27	16	36	13	29	4	9	849	31	27	36	29	9	849	27	23	47	20	10	849
B. agree	30	7	16	20	45	10	23	7	16	845	30	16	45	23	16	845	37	14	47	27	12	846
C. disagree	30	6	14	20	45	11	25	7	16	845	30	14	45	25	16	845	25	11	48	29	12	845
D. strongly disagree	10	1	7	9	64	2	14	2	14	846	10	7	64	14	14	846	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	40	13	22	23	39	17	29	6	10	847	40	22	39	29	10	847	31	22	46	22	10	849
B. agree	44	11	17	33	51	13	20	8	12	848	44	17	51	20	12	848	50	14	49	26	11	846
C. disagree	8	2	17	6	50	1	8	3	25	843	8	17	50	8	25	843	14	9	45	31	15	843
D. strongly disagree	7	0	0	3	27	5	45	3	27	834	7	0	27	45	27	834	5	3	38	34	25	837
Optional school/SAU question																						
A.	27	0	0	0	0	3	100	0	0	838	27	0	0	100	0	838						
B.	27	0	0	1	33	1	33	1	33	840	27	0	33	33	33	840						
C.	27	1	33	0	0	0	0	2	67	832	27	33	0	0	67	832						
D.	18	0	0	1	50	1	50	0	0	841	18	0	50	50	0	841						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number